Surface Science 198 (1988) 594–598
North-Holland, Amsterdam

AUTHOR INDEX

Allen, L.R., see Conrad 198 (1988) 207
Amirav, A. and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192
Arabczyk, W., M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167
Asensio, M.C., see Michel 198 (1988) L365

Baddorf, A.P., see Mundenar 198 (1988) L309
Bakaev, V.A., Towards the molecular theory of physical adsorption on heterogeneous surfaces 198 (1988) 571
Barnett, S.A. and A. Rockett, Monte Carlo simulations of Si(001) growth and reconstruction during molecular beam epitaxy 198 (1988) 133
Bergman, R., see Salaneck 198 (1988) 461
Bertrand, O., see Floquet 198 (1988) 449
Blanchard, D.L., see Conrad 198 (1988) 207
Bradshaw, A.M., see Somers 198 (1988) 400
Brenner, D.W. and B.J. Garrison, Microscopic mechanisms of reactions associated with silicon MBE: a molecular dynamics investigation 198 (1988) 151

Cameron, S.D. and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315
Cardillo, M.J., see Amirav 198 (1988) 192
Carr, W.E., see Tompa 198 (1988) 431
Cassuto, A., see Légaré 198 (1988) 69
Cavell, R.G., see Karolewski 198 (1988) 118
Chenery, D.H., M.A. Chesters and E.M. McCash, Time resolved Fourier transform reflection–absorption infrared spectroscopy 198 (1988) 1
Chesters, M.A., see Chenery 198 (1988) 1
Choi, B.H., see Liu 198 (1988) 79
Choi, B.H., N.L. Liu and X. Shen, Selective adsorption of H_2 + Cu(001) surface. II. Quantum mechanical calculation of quasibound compound states 198 (1988) 99
Cole, M.W., see Kim 198 (1988) 555
Colmenares, C.A., see Schultz 198 (1988) 301
Coltrin, M.E., see Kay 198 (1988) L375
Conrad, E.H., L.R. Allen, D.L. Blanchard and T. Engel, Energy resolved measurements of the diffuse scattering near the roughening transition of Ni(113) 198 (1988) 207
Conrad, H., see Somers 198 (1988) 400
Coombs, J.H., M.E. Welland and J.B. Pethica, Experimental barrier heights and the image potential in scanning tunneling microscopy 198 (1988) L353

Dobrzynski, L., see Masri 198 (1988) 285

Surface Science 198 (1988) 594–598
North-Holland, Amsterdam

AUTHOR INDEX

Allen, L.R., see Conrad 198 (1988) 207
Amirav, A. and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192
Arabczyk, W., M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167
Asensio, M.C., see Michel 198 (1988) L365

Baddorf, A.P., see Mundenar 198 (1988) L309
Bakaev, V.A., Towards the molecular theory of physical adsorption on heterogeneous surfaces 198 (1988) 571
Barnett, S.A. and A. Rockett, Monte Carlo simulations of Si(001) growth and reconstruction during molecular beam epitaxy 198 (1988) 133
Bergman, R., see Salaneck 198 (1988) 461
Bertrand, O., see Floquet 198 (1988) 449
Blanchard, D.L., see Conrad 198 (1988) 207
Bradshaw, A.M., see Somers 198 (1988) 400
Brenner, D.W. and B.J. Garrison, Microscopic mechanisms of reactions associated with silicon MBE: a molecular dynamics investigation 198 (1988) 151

Cameron, S.D. and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315
Cardillo, M.J., see Amirav 198 (1988) 192
Carr, W.E., see Tompa 198 (1988) 431
Cassuto, A., see Légaré 198 (1988) 69
Cavell, R.G., see Karolewski 198 (1988) 118
Chenery, D.H., M.A. Chesters and E.M. McCash, Time resolved Fourier transform reflection–absorption infrared spectroscopy 198 (1988) 1
Chesters, M.A., see Chenery 198 (1988) 1
Choi, B.H., see Liu 198 (1988) 79
Choi, B.H., N.L. Liu and X. Shen, Selective adsorption of H_2 + Cu(001) surface. II. Quantum mechanical calculation of quasibound compound states 198 (1988) 99
Cole, M.W., see Kim 198 (1988) 555
Colmenares, C.A., see Schultz 198 (1988) 301
Coltrin, M.E., see Kay 198 (1988) L375
Conrad, E.H., L.R. Allen, D.L. Blanchard and T. Engel, Energy resolved measurements of the diffuse scattering near the roughening transition of Ni(113) 198 (1988) 207
Conrad, H., see Somers 198 (1988) 400
Coombs, J.H., M.E. Welland and J.B. Pethica, Experimental barrier heights and the image potential in scanning tunneling microscopy 198 (1988) L353

Dobrzynski, L., see Masri 198 (1988) 285

Dreyfus, R.W., see Kelly 198 (1988) 263
Dwyer, D.J., see Cameron 198 (1988) 315

Egawa, C. and Y. Iwasawa, Ethane hydrogenolysis on a Ru(1,1,10) surface 198 (1988) L329
Ehrhardt, J.-J., see Légaré 198 (1988) 69
Ehrlich, G., see Lo 198 (1988) L380
Engel, T., see Conrad 198 (1988) 207
Ertl, G., see Ladas 198 (1988) 42

Ferrer, S., see Michel 198 (1988) L365
Floquet, N. and O. Bertrand, Onset of oxidation of the non-stoichiometric molybdenum oxide $Mo_{18}O_{52}$(100) surface at low temperatures: a study by RHEED 198 (1988) 449
Franke, C., see Schneider 198 (1988) 277
Freund, H.-J., see Odörfer 198 (1988) 331
Friend, C.M., see Roberts 198 (1988) L321

Gao, Y. and T. Lopez-Rios, Raman scattering of pyridine coadsorbed with Al on quenched Ag films: evidence of Raman enhancement in the pores 198 (1988) 509
Garrison, B.J., see Brenner 198 (1988) 151
Greene, J.E., see Salaneck 198 (1988) 461
Griffiths, K., see He 198 (1988) 413
Gruzalski, G.R., see Mundenar 198 (1988) L309
Guillot, C., see Légaré 198 (1988) 69

Harrington, D.A., see He 198 (1988) 413
Harris, J., T. Rahman and K. Yang, A mechanism for vibrational excitation in associative desorption 198 (1988) L312
He, J.-W., D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413
Hemmen, R., see Somers 198 (1988) 400
Hilaire, L., see Légaré 198 (1988) 69
Ho, W., see Ying 198 (1988) 473
Horn, T.C.M., see Van den Hoek 198 (1988) L335

Ichikawa, S., see Wadayama 198 (1988) L359
Imbihl, R., see Ladas 198 (1988) 42
Inaoka, T., Dielectric response of a degenerate polar semiconductor surface 198 (1988) 491
Iwasaki, N., Y. Sasaki and Y. Nishina, Ag electrode reactions in NaOH solution studied by in-situ Raman spectroscopy 198 (1988) 524
Iwasaki, N., see Sasaki 198 (1988) 541
Iwasawa, Y., see Egawa 198 (1988) L329

Jennings, P.J., A new method for studying the interaction of positrons with metal surfaces 198 (1988) 180
Judd, R.W., M.A. Reichelt and R.M. Lambert, Carbon monoxide chemisorption on Pt-dosed W(100): Pt strained overlayers, Pt crystallites and W/Pt surface alloys 198 (1988) 26
Jupille, J., see Légaré 198 (1988) 69

Karolewski, M.A. and R.G. Cavell, An ion-induced crystal current study of clean, sulphided and oxidized Cu(100) 198 (1988) 118

Kay, B.D. and M.E. Coltrin, Quantum tunneling and the activated chemisorption of methane on tungsten. Comment on 'Activated chemisorption of methane and tunneling' by T.-C. Lo and G. Ehrlich 198 (1988) L375
Kelly, R. and R.W. Dreyfus, On the effect of Knudsen-layer formation on studies of vaporization, sputtering, and desorption 198 (1988) 263
Kim, H.-Y., M.W. Cole, F. Toigo and D. Nicholson, Dispersion interaction between adsorbed linear molecules 198 (1988) 555
Kleyn, A.W., see Van den Hoek 198 (1988) L335
Kolb, D.M., see Schneider 198 (1988) 277
Kordesch, M.E., see Somers 198 (1988) 400
Kreuzer, H.J. and S.H. Payne, Nonequilibrium thermodynamics of a two-phase adsorbate 198 (1988) 235
Kuhlenbeck, H., see Odörfer 198 (1988) 331

Ladas, S., R. Imbihl and G. Ertl, Kinetic oscillations and facetting during the catalytic CO oxidation on Pt(110) 198 (1988) 42
Lambert, R.M., see Judd 198 (1988) 26
Lecante, J., see Légaré 198 (1988) 69
Légaré, P., G. Lindauer, L. Hilaire, G. Maire, J.-J. Ehrhardt, J. Jupille, A. Cassuto, C. Guillot and J. Lecante, On the interaction of O_2 with Pt(111) and Pt(557) surfaces: core-level shift study using conventional and synchrotron radiation sources 198 (1988) 69
Lindauer, G., see Légaré 198 (1988) 69
Lindner, Th., see Somers 198 (1988) 400
Liu, N.L., B.H. Choi and X. Shen, Selective adsorption of H_2 + Cu(001) surface. I. A quasiclassical trajectory study 198 (1988) 79
Liu, N.L., see Choi 198 (1988) 99
Lo, T.-C. and G. Ehrlich, Activated chemisorption of methane and tunneling: a second look. Reply to a Comment by B.D. Kay and M.E. Coltrin 198 (1988) L380
Lopez-Rios, T., see Gao 198 (1988) 509

Maire, G., see Légaré 198 (1988) 69
Masri, P. and L. Dobrzynski, Interface response theory of *N*-layered metallic superlattices 198 (1988) 285
McCash, E.M., see Chenery 198 (1988) 1
Michel, E.G., M.C. Asensio and S. Ferrer, Epitaxy of Pt on Au(001): growth mode, interface state and Pt core-level shifts 198 (1988) L365
Militzer, M., see Arabczyk 198 (1988) 167
Morán-López, J.L., see Sanchez 198 (1988) L299
Motooka, T., see Salaneck 198 (1988) 461
Mundenar, J.M., E.W. Plummer, L.G. Sneddon, A.P. Baddorf, D.M. Zehner and G.R. Gruzalski, Reply to "Comment on 'Oxygen chemisorption on Cu(110)' " by K. Prabhakaran and C.N.R. Rao 198 (1988) L309
Müssig, H.-J., see Arabczyk 198 (1988) 167

Naegele, J., see Schultz 198 (1988) 301
Neumann, M., see Odörfer 198 (1988) 331
Nicholson, D., see Kim 198 (1988) 555
Nishina, Y., see Iwasaki 198 (1988) 524
Nishina, Y., see Sasaki 198 (1988) 541
Norton, P.R., see He 198 (1988) 413

Odörfer, G., E.W. Plummer, H.-J. Freund, H. Kuhlenbeck and M. Neumann, On the electronic structure of the coadsorbate system CO + O (2 × 1) /Pd(111): a precursor for CO_2 formation 198 (1988) 331
Oitmaa, J., see Selke 198 (1988) L346

Payne, S.H., see Kreuzer 198 (1988) 235
Pethica, J.B., see Coombs 198 (1988) L353
Plummer, E.W., see Mundenar 198 (1988) L309
Plummer, E.W., see Odörfer 198 (1988) 331
Prabhakaran, K. and C.N.R. Rao, Comment on 'Oxygen chemisorption on Cu(110)' by J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. DiDio and D.M. Zehner 198 (1988) L307

Raff, L.M., see Rice 198 (1988) 360
Rahman, T., see Harris 198 (1988) L312
Rao, C.N.R., see Prabhakaran 198 (1988) L307
Reichelt, M.A., see Judd 198 (1988) 26
Reller, A., see Scarano 198 (1988) 11
Rice, B.M., L.M. Raff and D.L. Thompson, Dynamics of chemisorption/scattering of atomic hydrogen on partially covered Si(111) surfaces 198 (1988) 360
Roberts, J.T. and C.M. Friend, Vibrational studies of 1-propanethiol on Mo(110). Spectroscopic evidence for low temperature thiolate formation 198 (1988) L321
Rockett, A., see Barnett 198 (1988) 133
Rockett, A., see Salaneck 198 (1988) 461

Sakurai, T., see Wadayama 198 (1988) L359
Salaneck, W.R., R. Bergman, J.-E. Sundgren, A. Rockett, T. Motooka and J.E. Greene, Adsorption of tri-methyl aluminum molecules on silicon 198 (1988) 461
Sanchez, J.M. and J.L. Morán-López, Surface ferromagnetism in close-packed structures 198 (1988) L299
Sasaki, Y., see Iwasaki 198 (1988) 524
Sasaki, Y., N. Iwasaki and Y. Nishina, Adsorption of CO_3 on a silver electrode in Na_2CO_3 solution studied by SERS 198 (1988) 541
Scarano, D., A. Zecchina and A. Reller, IR study of CO adsorption on α-Cr_2O_3 198 (1988) 11
Schneider, J., C. Franke and D.M. Kolb, Image-potential-induced surface states at the Ag(111)–electrolyte interface 198 (1988) 277
Schultz, J.C., C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301
Seidl, M., see Tompa 198 (1988) 431
Selke, W. and J. Oitmaa, The roughening transition and the flattening of periodic surface profiles 198 (1988) L346
Shen, X., see Liu 198 (1988) 79
Shen, X., see Choi 198 (1988) 99
Sneddon, L.G., see Mundenar 198 (1988) L309
Somers, J.S., M.E. Kordesch, R. Hemmen, Th. Lindner, H. Conrad and A.M. Bradshaw, An angle-resolved photoemission investigation of CN, HCN and C_2N_2 adsorbed on Pd{111} using synchrotron radiation 198 (1988) 400
Spirlet, J.C., see Schultz 198 (1988) 301
Suëtaka, W., see Wadayama 198 (1988) L359
Sundgren, J.-E., see Salaneck 198 (1988) 461

Thompson, D.L., see Rice 198 (1988) 360
Toigo, F., see Kim 198 (1988) 555
Tompa, G.S., W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431

Van den Hoek, P.J., T.C.M. Horn and A.W. Kleyn, Classical trajectories harpooning and dissociation for O_2 scattering from Ag(111) 198 (1988) L335

Wadayama, T., T. Sakurai, S. Ichikawa and W. Suëtaka, Charge-transfer enhancement in infrared absorption of thiocyanate ions adsorbed on a gold electrode in the Kretschmann ATR configuration 198 (1988) L359
Welland, M.E., see Coombs 198 (1988) L353
Wieting, J., see Arabczyk 198 (1988) 167

Yang, K., see Harris 198 (1988) L312
Ying, Z. and W. Ho, Thermal and photon induced reactions of CH_3CH_2OH on Si(111)7 × 7 198 (1988) 473

Zecchina, A., see Scarano 198 (1988) 11
Zehner, D.M., see Mundenar 198 (1988) L309

Surface Science 198 (1988) 599–609
North-Holland, Amsterdam

SUBJECT INDEX

Alkali metals

S.D. Cameron and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315
G.S. Tompa, W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431

Atom scattering

A. Amirav and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192
E.H. Conrad, L.R. Allen, D.L. Blanchard and T. Engel, Energy resolved measurements of the diffuse scattering near the roughening transition of Ni(113) 198 (1988) 207
B.M. Rice, L.M. Raff and D.L. Thompson, Dynamics of chemisorption/scattering of atomic hydrogen on partially covered Si(111) surfaces 198 (1988) 360

Auger electron spectroscopy

W. Arabczyk, M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167

Band structure

P. Masri and L. Dobrzynski, Interface response theory of *N*-layered metallic superlattices 198 (1988) 285
G. Odörfer, E.W. Plummer, H.-J. Freund, H. Kuhlenbeck and M. Neumann, On the electronic structure of the coadsorbate system CO + O (2×1) /Pd(111): a precursor for CO_2 formation 198 (1988) 331

Beryllium

G.S. Tompa, W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431

Carbon dioxide

J.C. Schultz, C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301

Carbon monoxide

D.H. Chenery, M.A. Chesters and E.M. McCash, Time resolved Fourier transform reflection–absorption infrared spectroscopy 198 (1988) 1
D. Scarano, A. Zecchina and A. Reller, IR study of CO adsorption on α-Cr_2O_3 198 (1988) 11
R.W. Judd, M.A. Reichelt and R.M. Lambert, Carbon monoxide chemisorption on Pt-dosed W(100): Pt strained overlayers, Pt crystallites and W/Pt surface alloys 198 (1988) 26
S. Ladas, R. Imbihl and G. Ertl, Kinetic oscillations and facetting during the catalytic CO oxidation on Pt(110) 198 (1988) 42
J.C. Schultz, C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301
S.D. Cameron and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315
G. Odörfer, E.W. Plummer, H.-J. Freund, H. Kuhlenbeck and M. Neumann, On the electronic structure of the coadsorbate system CO + O (2×1) /Pd(111): a precursor for CO_2 formation 198 (1988) 331

Catalysis

C. Egawa and Y. Iwasawa, Ethane hydrogenolysis on a Ru(1,1,10) surface 198 (1988) L329

Copper

K. Prabhakaran and C.N.R. Rao, Comment on 'Oxygen chemisorption on Cu(110)' by J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. DiDio and D.M. Zehner 198 (1988) L307
J.M. Mundenar, E.W. Plummer, L.G. Sneddon, A.P. Baddorf, D.M. Zehner and G.R. Gruzalski, Reply to "Comment on 'Oxygen chemisorption on Cu(110)' " by K. Prabhakaran and C.N.R. Rao 198 (1988) L309
J. Harris, T. Rahman and K. Yang, A mechanism for vibrational excitation in associative desorption 198 (1988) L312
D.H. Chenery, M.A. Chesters and E.M. McCash, Time resolved Fourier transform reflection–absorption infrared spectroscopy 198 (1988) 1
N.L. Liu, B.H. Choi and X. Shen, Selective adsorption of H_2 + Cu(001) surface. I. A quasiclassical trajectory study 198 (1988) 79
B.H. Choi, N.L. Liu and X. Shen, Selective adsorption of H_2 + Cu(001) surface. II. Quantum mechanical calculation of quasibound compound states 198 (1988) 99
M.A. Karolewski and R.G. Cavell, An ion-induced crystal current study of clean, sulphided and oxidized Cu(100) 198 (1988) 118

Cyanogen

J.S. Somers, M.E. Kordesch, R. Hemmen, Th. Lindner, H. Conrad and A.M. Bradshaw, An angle-resolved photoemission investigation of CN, HCN and C_2N_2 adsorbed on Pd{111} using synchrotron radiation 198 (1988) 400

Deuterium

J. Harris, T. Rahman and K. Yang, A mechanism for vibrational excitation in associative desorption 198 (1988) L312
J.-W. He, D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413

Electron diffraction, see also Low energy electron diffraction

N. Floquet and O. Bertrand, Onset of oxidation of the non-stoichiometric molybdenum oxide $Mo_{18}O_{52}$(100) surface at low temperatures: a study by RHEED 198 (1988) 449

Electron emission

M.A. Karolewski and R.G. Cavell, An ion-induced crystal current study of clean, sulphided and oxidized Cu(100) 198 (1988) 118

Electron loss spectroscopy

J.T. Roberts and C.M. Friend, Vibrational studies of 1-propanethiol on Mo(110). Spectroscopic evidence for low temperature thiolate formation 198 (1988) L321
Z. Ying and W. Ho, Thermal and photon induced reactions of CH_3CH_2OH on Si(111)7 × 7 198 (1988) 473
T. Inaoka, Dielectric response of a degenerate polar semiconductor surface 198 (1988) 491

Electron microscopy

N. Floquet and O. Bertrand, Onset of oxidation of the non-stoichiometric molybdenum oxide $Mo_{18}O_{52}$(100) surface at low temperatures: a study by RHEED 198 (1988) 449

Electron scattering

P.J. Jennings, A new method for studying the interaction of positrons with metal surfaces 198 (1988) 180

Epitaxy

S.A. Barnett and A. Rockett, Monte Carlo simulations of Si(001) growth and reconstruction during molecular beam epitaxy 198 (1988) 133
D.W. Brenner and B.J. Garrison, Microscopic mechanisms of reactions associated with silicon MBE: a molecular dynamics investigation 198 (1988) 151
E.G. Michel, M.C. Asensio and S. Ferrer, Epitaxy of Pt on Au(001): growth mode, interface state and Pt core-level shifts 198 (1988) L365

Ethane

C. Egawa and Y. Iwasawa, Ethane hydrogenolysis on a Ru(1,1,10) surface 198 (1988) L329

Ethanol

Z. Ying and W. Ho, Thermal and photon induced reactions of CH_3CH_2OH on Si(111)7 × 7 198 (1988) 473

Faceting

S. Ladas, R. Imbihl and G. Ertl, Kinetic oscillations and facetting during the catalytic CO oxidation on Pt(110) 198 (1988) 42

Gallium arsenide

A. Amirav and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192

Germanium

A. Amirav and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192

Gold

T. Wadayama, T. Sakurai, S. Ichikawa and W. Suëtaka, Charge-transfer enhancement in infrared absorption of thiocyanate ions adsorbed on a gold electrode in the Kretschmann ATR configuration 198 (1988) L359

E.G. Michel, M.C. Asensio and S. Ferrer, Epitaxy of Pt on Au(001): growth mode, interface state and Pt core-level shifts 198 (1988) L365

Graphite

H.-Y. Kim, M.W. Cole, F. Toigo and D. Nicholson, Dispersion interaction between adsorbed linear molecules 198 (1988) 555

Halides

J.C. Schultz, C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301

Hydrogen

J. Harris, T. Rahman and K. Yang, A mechanism for vibrational excitation in associative desorption 198 (1988) L312

N.L. Liu, B.H. Choi and X. Shen, Selective adsorption of H_2 + Cu(001) surface. I. A quasiclassical trajectory study 198 (1988) 79

B.H. Choi, N.L. Liu and X. Shen, Selective adsorption of H_2 + Cu(001) surface. II. Quantum mechanical calculation of quasibound compound states 198 (1988) 99

J.-W. He, D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413

G.S. Tompa, W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431

Hydrogen cyanide

J.S. Somers, M.E. Kordesch, R. Hemmen, Th. Lindner, H. Conrad and A.M. Bradshaw, An angle-resolved photoemission investigation of CN, HCN and C_2N_2 adsorbed on Pd{111} using synchrotron radiation 198 (1988) 400

Hydrogen sulphide

C. Egawa and Y. Iwasawa, Ethane hydrogenolysis on a Ru(1,1,10) surface 198 (1988) L329

Indium antimonide

T. Inaoka, Dielectric response of a degenerate polar semiconductor surface 198 (1988) 491

Indium phosphide

A. Amirav and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192

Infrared spectroscopy

D.H. Chenery, M.A. Chesters and E.M. McCash, Time resolved Fourier transform reflection–absorption infrared spectroscopy 198 (1988) 1

D. Scarano, A. Zecchina and A. Reller, IR study of CO adsorption on α-Cr_2O_3 198 (1988) 11

Ion bombardment

M.A. Karolewski and R.G. Cavell, An ion-induced crystal current study of clean, sulphided and oxidized Cu(100) 198 (1988) 118

Iron

W. Arabczyk, M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167

S.D. Cameron and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315

Low energy electron diffraction

S. Ladas, R. Imbihl and G. Ertl, Kinetic oscillations and facetting during the catalytic CO oxidation on Pt(110) 198 (1988) 42

J.-W. He, D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413

Magnetic structure

J.M. Sanchez and J.L. Morán-López, Surface ferromagnetism in close-packed structures 198 (1988) L299

Metals

P.J. Jennings, A new method for studying the interaction of positrons with metal surfaces 198 (1988) 180

Methane

B.D. Kay and M.E. Coltrin, Quantum tunneling and the activated chemisorption of methane on tungsten. Comment on 'Activated chemisorption of methane and tunneling' by T.-C. Lo and G. Ehrlich 198 (1988) L375

T.-C. Lo and G. Ehrlich, Activated chemisorption of methane and tunneling: a second look. Reply to a Comment by B.D. Kay and M.E. Coltrin 198 (1988) L380

Methanol

D.H. Chenery, M.A. Chesters and E.M. McCash, Time resolved Fourier transform reflection–absorption infrared spectroscopy 198 (1988) 1

Molecular beam studies

P.J. van den Hoek, T.C.M. Horn and A.W. Kleyn, Classical trajectories harpooning and dissociation for O_2 scattering from Ag(111) 198 (1988) L335

N.L. Liu, B.H. Choi and X. Shen, Selective adsorption of H_2 + Cu(001) surface. I. A quasiclassical trajectory study 198 (1988) 79

B.H. Choi, N.L. Liu and X. Shen, Selective adsorption of H_2 + Cu(001) surface. II. Quantum mechanical calculation of quasibound compound states 198 (1988) 99

Molybdenum

J.T. Roberts and C.M. Friend, Vibrational studies of 1-propanethiol on Mo(110). Spectroscopic evidence for low temperature thiolate formation 198 (1988) L321

G.S. Tompa, W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431

Molybdenum oxide

N. Floquet and O. Bertrand, Onset of oxidation of the non-stoichiometric molybdenum oxide $Mo_{18}O_{52}$(100) surface at low temperatures: a study by RHEED 198 (1988) 449

Nickel

E.H. Conrad, L.R. Allen, D.L. Blanchard and T. Engel, Energy resolved measurements of the diffuse scattering near the roughening transition of Ni(113) 198 (1988) 207

Nitrogen

H.-Y. Kim, M.W. Cole, F. Toigo and D. Nicholson, Dispersion interaction between adsorbed linear molecules 198 (1988) 555

Organic substances

J.T. Roberts and C.M. Friend, Vibrational studies of 1-propanethiol on Mo(110). Spectroscopic evidence for low temperature thiolate formation 198 (1988) L321

W.R. Salaneck, R. Bergman, J.-E. Sundgren, A. Rockett, T. Motooka and J.E. Greene, Adsorption of tri-methyl aluminum molecules on silicon 198 (1988) 461

Y. Gao and T. Lopez-Rios, Raman scattering of pyridine coadsorbed with Al on quenched Ag films: evidence of Raman enhancement in the pores 198 (1988) 509

Oxides

D. Scarano, A. Zecchina and A. Reller, IR study of CO adsorption on α-Cr_2O_3 198 (1988) 11

Oxygen

K. Prabhakaran and C.N.R. Rao, Comment on 'Oxygen chemisorption on Cu(110)' by J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. DiDio and D.M. Zehner 198 (1988) L307

J.M. Mundenar, E.W. Plummer, L.G. Sneddon, A.P. Baddorf, D.M. Zehner and G.R. Gruzalski, Reply to "Comment on 'Oxygen chemisorption on Cu(110)' " by K. Prabhakaran and C.N.R. Rao 198 (1988) L309

P.J. van den Hoek, T.C.M. Horn and A.W. Kleyn, Classical trajectories harpooning and dissociation for O_2 scattering from Ag(111) 198 (1988) L335

S. Ladas, R. Imbihl and G. Ertl, Kinetic oscillations and facetting during the catalytic CO oxidation on Pt(110) 198 (1988) 42

P. Légaré, G. Lindauer, L. Hilaire, G. Maire, J.-J. Ehrhardt, J. Jupille, A. Cassuto, C. Guillot and J. Lecante, On the interaction of O_2 with Pt(111) and Pt(557) surfaces: core-level shift study using conventional and synchrotron radiation sources 198 (1988) 69

M.A. Karolewski and R.G. Cavell, An ion-induced crystal current study of clean, sulphided and oxidized Cu(100) 198 (1988) 118

J.C. Schultz, C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301

G. Odörfer, E.W. Plummer, H.-J. Freund, H. Kuhlenbeck and M. Neumann, On the electronic structure of the coadsorbate system CO + O (2×1) /Pd(111): a precursor for CO_2 formation 198 (1988) 331

Palladium

G. Odörfer, E.W. Plummer, H.-J. Freund, H. Kuhlenbeck and M. Neumann, On the electronic structure of the coadsorbate system CO + O (2×1) /Pd(111): a precursor for CO_2 formation 198 (1988) 331

J.S. Somers, M.E. Kordesch, R. Hemmen, Th. Lindner, H. Conrad and A.M. Bradshaw, An angle-resolved photoemission investigation of CN, HCN and C_2N_2 adsorbed on Pd{111} using synchrotron radiation 198 (1988) 400

J.-W. He, D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413

Phosphorus

W. Arabczyk, M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167

Photodesorption

Z. Ying and W. Ho, Thermal and photon induced reactions of CH_3CH_2OH on Si(111)7 × 7 198 (1988) 473

Photoelectron spectroscopy

R.W. Judd, M.A. Reichelt and R.M. Lambert, Carbon monoxide chemisorption on Pt-dosed W(100): Pt strained overlayers, Pt crystallites and W/Pt surface alloys 198 (1988) 26

P. Légaré, G. Lindauer, L. Hilaire, G. Maire, J.-J. Ehrhardt, J. Jupille, A. Cassuto, C. Guillot and J. Lecante, On the interaction of O_2 with Pt(111) and Pt(557) surfaces: core-level shift study using conventional and synchrotron radiation sources 198 (1988) 69

E.G. Michel, M.C. Asensio and S. Ferrer, Epitaxy of Pt on Au(001): growth mode, interface state and Pt core-level shifts 198 (1988) L365

J.C. Schultz, C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301

S.D. Cameron and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315

G. Odörfer, E.W. Plummer, H.-J. Freund, H. Kuhlenbeck and M. Neumann, On the electronic structure of the coadsorbate system CO + O (2 × 1) /Pd(111): a precursor for CO_2 formation 198 (1988) 331

J.S. Somers, M.E. Kordesch, R. Hemmen, Th. Lindner, H. Conrad and A.M. Bradshaw, An angle-resolved photoemission investigation of CN, HCN and C_2N_2 adsorbed on Pd{111} using synchrotron radiation 198 (1988) 400

W.R. Salaneck, R. Bergman, J.-E. Sundgren, A. Rockett, T. Motooka and J.E. Greene, Adsorption of tri-methyl aluminum molecules on silicon 198 (1988) 461

Physisorption

V.A. Bakaev, Towards the molecular theory of physical adsorption on heterogeneous surfaces 198 (1988) 571

Platinum

R.W. Judd, M.A. Reichelt and R.M. Lambert, Carbon monoxide chemisorption on Pt-dosed W(100): Pt strained overlayers, Pt crystallites and W/Pt surface alloys 198 (1988) 26

S. Ladas, R. Imbihl and G. Ertl, Kinetic oscillations and facetting during the catalytic CO oxidation on Pt(110) 198 (1988) 42

P. Légaré, G. Lindauer, L. Hilaire, G. Maire, J.-J. Ehrhardt, J. Jupille, A. Cassuto, C. Guillot and J. Lecante, On the interaction of O_2 with Pt(111) and Pt(557) surfaces: core-level shift study using conventional and synchrotron radiation sources 198 (1988) 69

E.G. Michel, M.C. Asensio and S. Ferrer, Epitaxy of Pt on Au(001): growth mode, interface state and Pt core-level shifts 198 (1988) L365

Raman scattering

Y. Gao and T. Lopez-Rios, Raman scattering of pyridine coadsorbed with Al on quenched Ag films: evidence of Raman enhancement in the pores 198 (1988) 509

N. Iwasaki, Y. Sasaki and Y. Nishina, Ag electrode reactions in NaOH solution studied by in-situ Raman spectroscopy 198 (1988) 524

Reflection spectroscopy

J. Schneider, C. Franke and D.M. Kolb, Image-potential-induced surface states at the Ag(111)–electrolyte interface 198 (1988) 277

T. Wadayama, T. Sakurai, S. Ichikawa and W. Suëtaka, Charge-transfer enhancement in infrared absorption of thiocyanate ions adsorbed on a gold electrode in the Kretschmann ATR configuration 198 (1988) L359

Ruthenium

C. Egawa and Y. Iwasawa, Ethane hydrogenolysis on a Ru(1,1,10) surface 198 (1988) L329

Semiconductors

T. Inaoka, Dielectric response of a degenerate polar semiconductor surface 198 (1988) 491

Silicon

S.A. Barnett and A. Rockett, Monte Carlo simulations of Si(001) growth and reconstruction during molecular beam epitaxy 198 (1988) 133

D.W. Brenner and B.J. Garrison, Microscopic mechanisms of reactions associated with silicon MBE: a molecular dynamics investigation 198 (1988) 151

B.M. Rice, L.M. Raff and D.L. Thompson, Dynamics of chemisorption/scattering of atomic hydrogen on partially covered Si(111) surfaces 198 (1988) 360

W.R. Salaneck, R. Bergman, J.-E. Sundgren, A. Rockett, T. Motooka and J.E. Greene, Adsorption of tri-methyl aluminum molecules on silicon 198 (1988) 461

Z. Ying and W. Ho, Thermal and photon induced reactions of CH_3CH_2OH on Si(111)7 × 7 198 (1988) 473

Silver

P.J. van den Hoek, T.C.M. Horn and A.W. Kleyn, Classical trajectories harpooning and dissociation for O_2 scattering from Ag(111) 198 (1988) L335

A. Amirav and M.J. Cardillo, Ion emission due to the scattering of hyperthermal Xe atoms from single crystal surfaces 198 (1988) 192

J. Schneider, C. Franke and D.M. Kolb, Image-potential-induced surface states at the Ag(111)–electrolyte interface 198 (1988) 277

Y. Gao and T. Lopez-Rios, Raman scattering of pyridine coadsorbed with Al on quenched Ag films: evidence of Raman enhancement in the pores 198 (1988) 509
N. Iwasaki, Y. Sasaki and Y. Nishina, Ag electrode reactions in NaOH solution studied by in-situ Raman spectroscopy 198 (1988) 524
Y. Sasaki, N. Iwasaki and Y. Nishina, Adsorption of CO_3 on a silver electrode in Na_2CO_3 solution studied by SERS 198 (1988) 541

Solid–electrolyte interface

J. Schneider, C. Franke and D.M. Kolb, Image-potential-induced surface states at the Ag(111)–electrolyte interface 198 (1988) 277
T. Wadayama, T. Sakurai, S. Ichikawa and W. Suëtaka, Charge-transfer enhancement in infrared absorption of thiocyanate ions adsorbed on a gold electrode in the Kretschmann ATR configuration 198 (1988) L359
N. Iwasaki, Y. Sasaki and Y. Nishina, Ag electrode reactions in NaOH solution studied by in-situ Raman spectroscopy 198 (1988) 524
Y. Sasaki, N. Iwasaki and Y. Nishina, Adsorption of CO_3 on a silver electrode in Na_2CO_3 solution studied by SERS 198 (1988) 541

Sputtering

R. Kelly and R.W. Dreyfus, On the effect of Knudsen-layer formation on studies of vaporization, sputtering, and desorption 198 (1988) 263

Sulphur

M.A. Karolewski and R.G. Cavell, An ion-induced crystal current study of clean, sulphided and oxidized Cu(100) 198 (1988) 118
W. Arabczyk, M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167

Surface roughness

W. Selke and J. Oitmaa, The roughening transition and the flattening of periodic surface profiles 198 (1988) L346

Surface segregation

W. Arabczyk, M. Militzer, H.-J. Müssig and J. Wieting, Contribution of pipe diffusion to surface segregation kinetics 198 (1988) 167

Surface structure, see also Low energy electron diffraction

S.A. Barnett and A. Rockett, Monte Carlo simulations of Si(001) growth and reconstruction during molecular beam epitaxy 198 (1988) 133

Surface thermodynamics

W. Selke and J. Oitmaa, The roughening transition and the flattening of periodic surface profiles 198 (1988) L346
E.H. Conrad, L.R. Allen, D.L. Blanchard and T. Engel, Energy resolved measurements of the diffuse scattering near the roughening transition of Ni(113) 198 (1988) 207

H.J. Kreuzer and S.H. Payne, Nonequilibrium thermodynamics of a two-phase adsorbate 198 (1988) 235

Thermal desorption

J.T. Roberts and C.M. Friend, Vibrational studies of 1-propanethiol on Mo(110). Spectroscopic evidence for low temperature thiolate formation 198 (1988) L321
C. Egawa and Y. Iwasawa, Ethane hydrogenolysis on a Ru(1,1,10) surface 198 (1988) L329
R.W. Judd, M.A. Reichelt and R.M. Lambert, Carbon monoxide chemisorption on Pt-dosed W(100): Pt strained overlayers, Pt crystallites and W/Pt surface alloys 198 (1988) 26
H.J. Kreuzer and S.H. Payne, Nonequilibrium thermodynamics of a two-phase adsorbate 198 (1988) 235
R. Kelly and R.W. Dreyfus, On the effect of Knudsen-layer formation on studies of vaporization, sputtering, and desorption 198 (1988) 263
S.D. Cameron and D.J. Dwyer, Charge transfer effects on CO bond cleavage: CO and potassium on Fe(100) 198 (1988) 315
J.-W. He, D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413
Z. Ying and W. Ho, Thermal and photon induced reactions of CH_3CH_2OH on Si(111)7 × 7 198 (1988) 473

Tungsten

R.W. Judd, M.A. Reichelt and R.M. Lambert, Carbon monoxide chemisorption on Pt-dosed W(100): Pt strained overlayers, Pt crystallites and W/Pt surface alloys 198 (1988) 26
B.D. Kay and M.E. Coltrin, Quantum tunneling and the activated chemisorption of methane on tungsten. Comment on 'Activated chemisorption of methane and tunneling' by T.-C. Lo and G. Ehrlich 198 (1988) L375
T.-C. Lo and G. Ehrlich, Activated chemisorption of methane and tunneling: a second look. Reply to a Comment by B.D. Kay and M.E. Coltrin 198 (1988) L380
G.S. Tompa, W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431

Tunneling

J.H. Coombs, M.E. Welland and J.B. Pethica, Experimental barrier heights and the image potential in scanning tunneling microscopy 198 (1988) L353

Uranium

J.C. Schultz, C.A. Colmenares, J. Naegele and J.C. Spirlet, X-ray photoelectron spectroscopic study of the surface reactions of UFe_2 with O_2, CO and CO_2 198 (1988) 301

Work function

J.-W. He, D.A. Harrington, K. Griffiths and P.R. Norton, The interaction of hydrogen with a Pd(100) surface 198 (1988) 413
G.S. Tompa, W.E. Carr and M. Seidl, Work function of metallic surfaces bombarded with cesium ions 198 (1988) 431